

DVB-H Planar PWB Antenna

Pulse Part Number: W3520



Features

- High gain (MBRAI +4 dB)
- External antenna
- Ultra thin
- Compact size W x L x H (50.5 x 10.5 x 3.0 mm)
- MMCX connector
- Lead free materials
- Tray packing
- RoHS Compliant Product
- Color Black

Applications

- DVB-H EU band receivers

Electrical specifications @ +25 °C

Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP.

DVB-H, W3520

Typical performance (test board size 100 x 45 mm)

Frequency Range [MHz]	Max 3D Gain [dBi]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
470-750	-4.5 @ 470 -3.5 @ 750	-3	50	-40 to +85

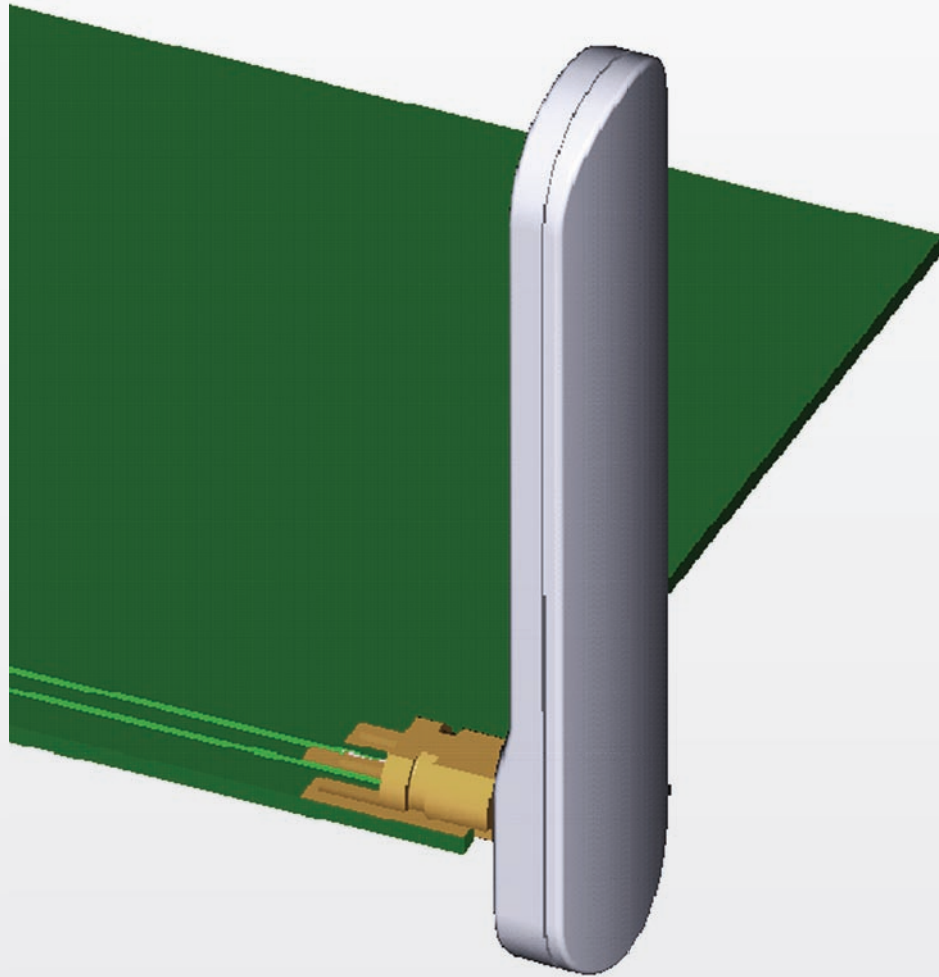
Pulse Finland Oy

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Terminal Configuration



Antenna Features

No.	Terminal name	Terminal Dimensions
1	Feed	MMCX Connector

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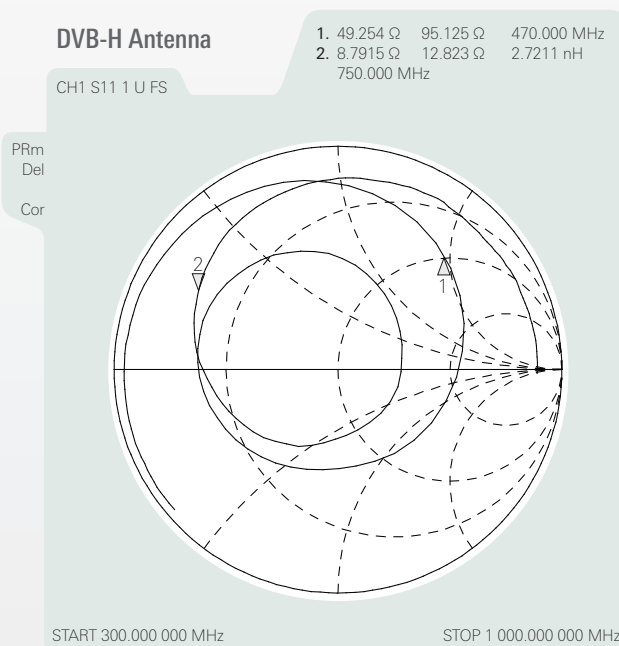
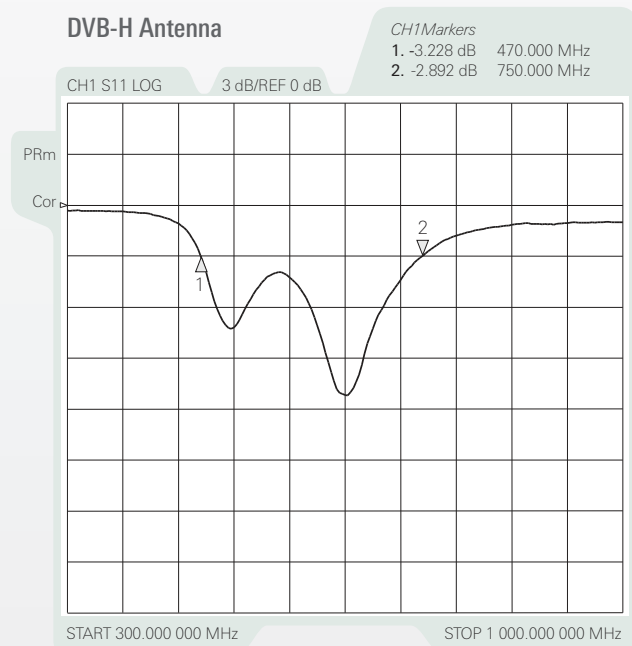
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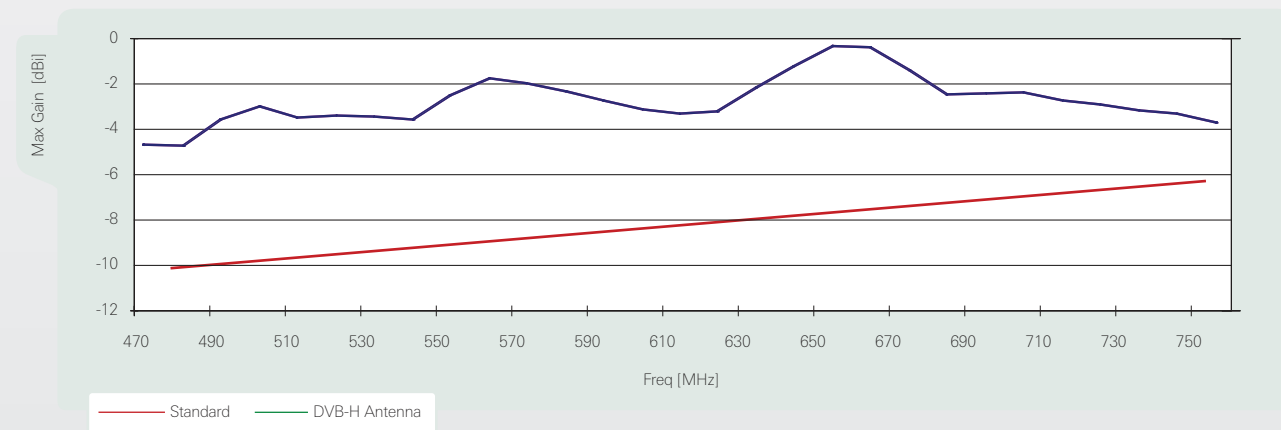
Typical Electrical Characteristics (T=25 °C)

Measured on the 100 x 45mm blank test board without external matching circuits, no other mechanics included. Antenna in vertical position as in picture on page 2.

Typical Return Loss S11/ impedance, measured on the test board.



Free space maximum gain, measured on the 100 x 45 mm blank test board without external matching circuits, no other mechanics included.



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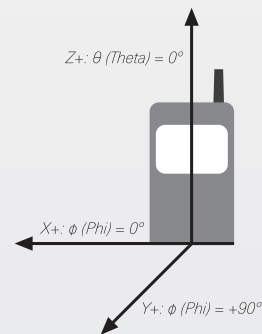
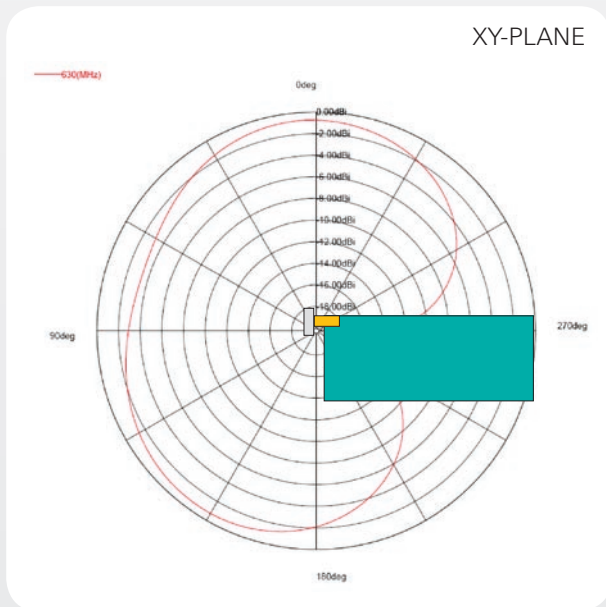
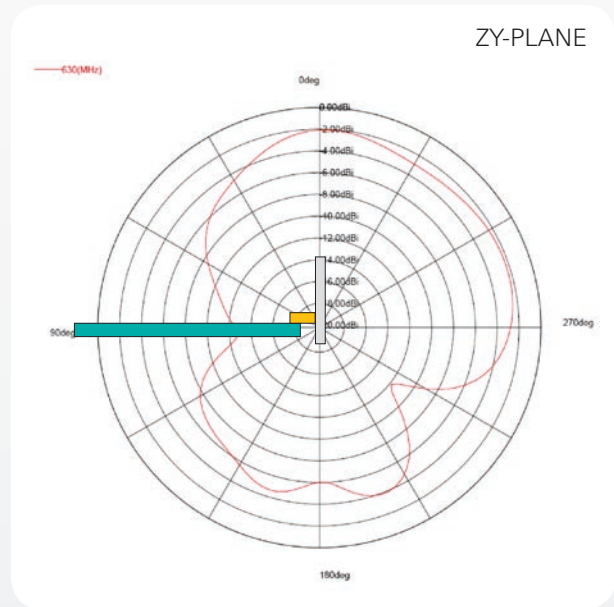
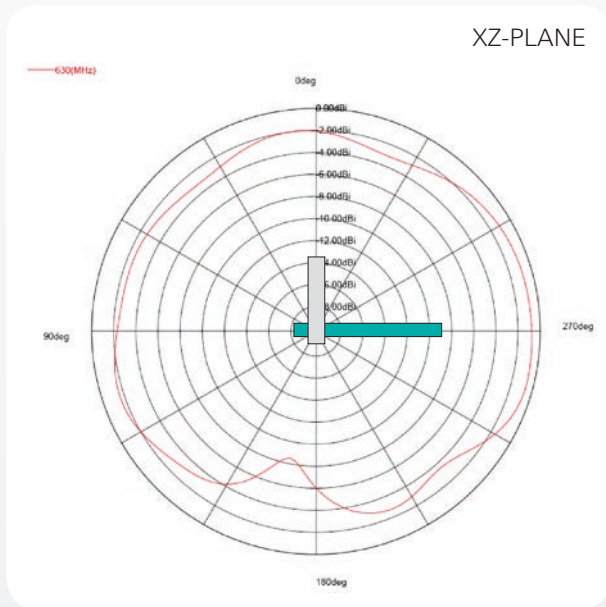
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Typical Free space Radiation Patterns



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